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IN THE CLAIM

Please amend claims 1 and 22 and newly add claims 23 and 24 to read as follow:

1 1. (Currently Amended) A process for quantitating a human DNA in a sample, said
2 process comprising the steps of:
3 providing a sample to be analyzed;
4 amplifying predetermined genomic DNA ~~containing~~ of an *Alu* element subfamily by
5 using primers, said *Alu* element subfamily being more enriched in the human genome ~~compared~~
6 to than in any non-human primate genome~~primates genomes~~, the amplification being intra-*Alu*
7 polymerase chain reaction amplification; and
8 measuring the amount of the human DNA by comparing the amplified DNA with a
9 reference to quantitate the human DNA in the sample.

1 2. (Canceled)

1 3. (Canceled)

1 4. (Canceled)

1 5. (Previously Presented) The process of claim 1, wherein the amplification is a
2 polymerase chain reaction with the primers containing the following sequences:

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3 5' CGAGGCGGGTGGATCATGAGGT 3'(SEQ ID NO: 3)

4 and

5 5' TCTGTCGCCCAGGCCGGA CT 3' (SEQ ID NO: 4).

1 6. (Previously Presented) The process of claim 1, wherein the amplification is a
2 polymerase chain reaction with the primers containing the following sequences:

3 5' GAGATCGAGACCACGGTGAAA 3' (SEQ ID NO: 5)

4 and

5 5' TTTGAGACGGAGTCTCGTT 3' (SEQ ID NO: 6).

1 7. (Previously Presented) The process of claim 1, wherein the measurement step
2 comprises the step of measuring the amount of the human DNA on an agarose gel stained with
3 ethidium bromide.

1 8. (Previously Presented) The process of claim 1, wherein the measurement step
2 comprises the step of measuring the amount of the human DNA by using a qPCR system.

1 9. (Previously Presented) The process of claim 1, wherein the measurement step
2 comprises the step of measuring the amount of the human DNA by using *TaqMan* chemistry.

1 Claims 10-20. (Canceled)

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1 21. (Previously Presented) A process for quantitating a human DNA in a sample, said
2 process comprising the steps of:
3 providing a sample to be analyzed;
4 amplifying predetermined genomic DNA containing an *Alu* element by using primers,
5 said *Alu* element being present only in the human genome, the amplification being intra-*Alu*
6 polymerase chain reaction amplification; and
7 measuring the amount of the human DNA by comparing the amplified DNA with a
8 reference.

1 22. (Currently Amended) A process for quantitating a human DNA in a sample, said
2 process comprising the steps of:
3 providing a sample to be analyzed;
4 amplifying predetermined genomic DNA ~~containing a young of an~~ *Alu* element
5 subfamily by using primers, said predetermined genomic DNA including subfamily-specific
6 diagnostic mutations, a copy number of said young *Alu* element predetermined genomic DNA in
7 the human genome being higher than a copy number of said *Alu* element predetermined genomic
8 DNA in any non-human primate genome, largely absent from non-human primates, the
9 amplification being intra-*Alu* polymerase chain reaction amplification; and
10 measuring the amount of the human DNA by comparing the amplified DNA with a
11 reference.

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1 23. (New) The process of claim 1, wherein each of said primers includes a subfamily-
2 specific diagnostic mutation.

1 24. (New) The process of claim 21, wherein each of said primers includes a subfamily-
2 specific diagnostic mutation.